**Index of Claims** 



Application/Control No.

10/517,999

Date

Examiner

Terressa M. Boykin

Applicant(s)/Patent under Reexamination

MATSUMOTO ET AL.

**Art Unit** 

1796

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral)
Cancelled

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Claim

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| 1                          | 1  | =           | -  |  | $\vdash$     | <del> </del>                                     | $\vdash$     | -  | -  | Н                   |
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| 3                          | 3  | =           |  | $\vdash$   | $\vdash$     | _  |              | 1  |  |                     |
| 4                          | 4  | =           |  | ┢  |              |  |              | <del>                                     </del> | <del>                                     </del> | Н                   |
| 5                          | 5  | =           |  | <b>-</b>   |              | $\vdash$   |              |  |  |                     |
| 6                          | 6  | ▔           |  |  |              | 1  | $\vdash$     |  |  | Н                   |
| 2<br>3<br>4<br>5<br>6<br>7 | 1<br>2<br>3<br>4<br>5<br>6<br>7                              | =           |  |  |              |  |              | _  |  | П                   |
| 8                          | 8  | =           |  |  | Г            |  |              |  |  |                     |
| 9                          | တ  | =           |  |  |              |  |              |  |  |                     |
|                            | 10   |             |  |  |              |  |              |  |  |                     |
| 10,                        | 11   | =           |  |  |              |  |              |  |  |                     |
|                            | 1/2  |             | <u> </u>   | _  | _            | <u> </u>   |              | <u> </u>   | <u> </u>   |                     |
| 11                         | 13   | =           | <u> </u>   | _  | <u> </u>     |  | <u> </u>     |  | _  | Ш                   |
| 12                         | 14   | =           |  |  | <u> </u>     | <u> </u>   | _            | _  |  | Ш                   |
| 13                         | 15   | =           | <u> </u>   | <u> </u>   | <u> </u>     |  | <u> </u>     |  | <u> </u>   | Щ                   |
| 12<br>13<br>14<br>15       | 8<br>9<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19 | =           | <u> </u>   | <b>↓</b> _                                       | <u> </u>     | <u> </u>   | <u> </u>     |  | <u> </u>   | $\sqcup$            |
| 15                         | 17   | =           | <u> </u>   | <u> </u>   | _            | <del> </del>                                     | _            | <u> </u>   | <u> </u>   | L                   |
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|                            | 20<br>21<br>22   | <u> </u>    | -  | _  | $\vdash$     |  | -            | ┢  | -  | Н                   |
|                            | 23   | <del></del> | $\vdash$   | -  | <del> </del> |  | <del> </del> | ┢  | ┝  | Н                   |
|                            | 24   | _           | <del>                                     </del> | <u> </u>   | _            |  |              | <del>                                     </del> |  | Н                   |
|                            | 23<br>24<br>25<br>26<br>27<br>28<br>29<br>30                 |             |  | _  |              | _  |              |  |  | Н                   |
|                            | 26   |             |  |  |              |  |              |  |  | П                   |
|                            | 27   |             |  |  |              |  |              |  |  |                     |
|                            | 28   |             |  |  |              |  |              |  |  |                     |
|                            | 29   |             |  |  | L            |  |              |  |  |                     |
|                            | 30   | _           | _  | <u> </u>   |              |  |              |  |  | Ц                   |
|                            | 31<br>32<br>33   |             |  | <u> </u>   | <u> </u>     |  | L            | _  | _  | Ц                   |
|                            | 32   |             |  | _  | <u> </u>     | -  |              | _  | _  | _                   |
|                            | 34   |             |  | _  |              |  |              |  | $\vdash$   | $\dashv$            |
| -                          | 34<br>35   | <b></b>     |  | $\vdash$   | $\vdash$     |  | $\vdash$     |  | $\vdash$   | $\dashv$            |
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| П                          | 38   |             | _  | $\vdash$   |              |  |              | $\vdash$   |  | Н                   |
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|                            | 41   |             |  |  |              |  |              |  |  |                     |
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|                            | 43   |             |  | L  |              |  |              | L  |  |                     |
|                            | 44   | <b>_</b>    | L  | Щ.   |              |  |              |  |  | Щ                   |
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| $\vdash \vdash \vdash$     | 47   |             | -  | $\vdash$   | <u> </u>     |  |              | -  |  | _                   |
| <del>  </del>              | 48   |             | _  |  | <u> </u>     | H  |              | Н  | $\vdash$   |                     |
| ┟━┤                        | 49   |             |  | $\vdash$   | -            |  |              |  | $\vdash$   | $\dashv$            |
|                            | 50   | _           |  |  |              | -  |              |  |  |                     |
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|   | Final    | Original       |          |          |          |          |             |          |          |          |          |
|   |          | 51<br>52<br>53 |          |          |          | $\vdash$ | ┢           |          |          |          | $\vdash$ |
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|   |          | 54             |          | _        |          |          |             |          |          |          | <u> </u> |
|   |          | 54<br>55       |          |          | _        |          |             |          |          |          |          |
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|   |          | 57             |          |          | -        |          |             | $\vdash$ |          |          |          |
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|   |          | 61             |          |          |          |          |             |          |          | _        | Т        |
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|   |          | 63             |          | $\vdash$ |          | $\vdash$ | <del></del> |          |          | _        |          |
|   |          | 63<br>64       |          |          |          | $\vdash$ |             |          |          |          |          |
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|   |          | 66             |          |          |          |          | <u> </u>    | _        |          |          | $\vdash$ |
|   |          | 66<br>67       |          | <u> </u> |          |          | $\vdash$    |          | _        |          | $\vdash$ |
|   |          | 68             | _        | ┢        |          | _        | <u> </u>    |          |          | _        |          |
|   |          | 69             | _        |          |          |          |             | <u> </u> | $\vdash$ |          |          |
|   |          | 69<br>70       | _        |          |          | _        | _           |          |          |          |          |
|   |          | 71             |          | i—       | _        |          |             | _        | _        |          |          |
|   |          | 72             |          |          | _        |          |             |          | $\vdash$ |          |          |
|   |          | 72<br>73       |          |          | _        | -        |             | $\vdash$ | _        |          | $\vdash$ |
|   |          | 74             |          |          |          |          |             |          |          |          | $\vdash$ |
|   |          | 75             |          |          |          |          |             |          |          |          | _        |
|   |          | 76             |          |          |          |          |             |          |          |          |          |
|   |          | 77<br>78       | -        |          |          |          |             |          |          |          |          |
|   |          | 78             |          |          |          |          |             |          |          |          |          |
|   |          | 79             |          |          |          |          |             |          |          |          |          |
|   |          | 80             |          |          |          |          |             |          |          |          |          |
|   |          | 81             |          |          |          |          |             |          |          |          |          |
| - |          | 82             |          |          |          |          |             |          |          |          |          |
|   |          | 83             |          |          |          |          |             |          |          |          |          |
|   |          | 84             |          |          |          |          |             |          |          |          |          |
|   |          | 85             |          |          |          | _        |             |          |          |          |          |
|   |          | 86             |          |          |          |          |             |          |          |          |          |
| 1 |          | 87             |          | _        |          |          |             |          |          |          |          |
| ļ |          | 88             |          |          |          | _        |             |          |          |          |          |
| ١ |          | 89             |          |          |          |          |             |          |          |          |          |
|   |          | 90             |          |          |          |          |             |          |          |          |          |
| - |          | 91             |          |          |          | _        |             |          |          | _        |          |
| ļ |          | 92             | _        |          | _        | $\Box$   |             |          |          | Щ        |          |
| 1 |          | 93             |          |          | Ш        | -        |             | _        |          |          |          |
| - |          | 94             | $\dashv$ |          |          | $\vdash$ |             |          |          |          |          |
| } |          | 95<br>96       |          |          |          | -        | -           | -        |          |          |          |
| - | -        | 97             | $\dashv$ | $\dashv$ | -        | -        | $\dashv$    | $\vdash$ | $\vdash$ | -        |          |
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| Cl                     | Date  |              |              |          |          |  |          |  |          |                      |
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|                        | 102   | _            | ⊢            | -        | -        | ⊢  | -        | -  | ├        | $\vdash$             |
| _                      | 103   | _            | <del> </del> | _        |          | ⊢  | -        |  | -        | $\vdash \vdash \mid$ |
|                        | 103<br>104<br>105<br>106<br>107<br>108                                    | ⊢            | ┝            |          | ⊢        |  | -        | -  | ⊢        | $\vdash \vdash$      |
| -                      | 105   | <del> </del> | ⊢            | —        |          | <del> </del>                                 |          |  | -        | ├─┤                  |
| <del> </del>           | 100   | ├            |              | _        | _        | H  | <u> </u> | ├-   |          | Н                    |
| -                      | 107   | <u> </u>     | -            |          | _        | ┝  | -        | <u> </u>   | -        | $\vdash$             |
| ļ                      | 100   | <u> </u>     |              | $\vdash$ | $\vdash$ | -  | -        | <del> </del>                                     | _        | $\vdash$             |
|                        | 109   | -            |              | <u> </u> | <u> </u> | <u> </u>                                     | L        | ⊢  | _        | $\vdash$             |
|                        | 110   | _            |              | <u> </u> |          | <u> </u>                                     | _        | _  | _        | Ш                    |
| ⊢—                     | 117   | $\vdash$     | $\vdash$     | <b> </b> | $\vdash$ | ₩  | <u> </u> | <u> </u>   | <u> </u> | _                    |
| <u> </u>               | 112   | <u> </u>     |              | _        | <u> </u> | ļ  | <b> </b> | <u> </u>   | ļ        | Ш                    |
| <u> </u>               | 109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117               | <u> </u>     |              | <u> </u> | ⊢        | <u> </u>                                     | <u> </u> | _  | _        | Ш                    |
| <u> </u>               | 114   | <u> </u>     |              |          | _        | <u>.                                    </u> | _        | _  |          | Щ                    |
|                        | 115   | _            |              | <u> </u> | <u> </u> | _  | <u> </u> | _  | <u> </u> | Ш                    |
|                        | 116   | _            |              | <u> </u> |          |  | _        |  |          |                      |
|                        | 117   | <u> </u>     |              | <u> </u> | $\vdash$ | <u> </u>                                     | <u> </u> | <u> </u>   | <u> </u> | Щ                    |
|                        | 118<br>119<br>120   |              | _            |          |          | L  | _        | <u> </u>   |          | Ш                    |
|                        | 119   | L            |              |          |          |  |          | _  |          | Ш                    |
|                        | 120   |              | L            |          | _        | _  |          | L.   | L.       | Ш                    |
|                        | 121   |              | L            |          |          | <u> </u>                                     | <u> </u> |  | <u> </u> | Щ                    |
| <u> </u>               | 122   |              | _            | ļ        | L        | L  | <u> </u> | L  | _        |                      |
| -                      | 123   |              | _            | <u> </u> | <u> </u> | <u> </u>                                     | _        | <u> </u>   |          |                      |
| <u> </u>               | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 |              |              | <u> </u> | _        |  | _        | ļ  |          | Ш                    |
|                        | 125   |              |              |          |          |  | _        | <u> </u>   | <u> </u> | $\vdash$             |
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|                        | 120   |              |              |          | _        | <del> </del>                                 | _        | ┝  |          | Н                    |
|                        | 131   |              |              |          |          | -  |          | ⊢  |          | Н                    |
| <u> </u>               | 132   |              | _            |          | _        | $\vdash$                                     | _        | -  | -        | $\vdash$             |
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| <del></del>            | 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139                      | -            | _            | Н        | <u> </u> | H  |          | <del>                                     </del> | -        | Н                    |
| $\vdash$               | 140   |              |              |          | <u> </u> | <u> </u>                                     | -        | $\vdash$   | $\vdash$ | $\dashv$             |
| $\vdash$               | 141   |              |              | $\vdash$ |          | -  |          | <del></del>                                      | $\vdash$ | Н                    |
|                        | 142   | $\vdash$     | -            |          | -        | $\vdash$                                     |          |  | $\vdash$ | Н                    |
|                        | 143   |              |              |          |          | -  |          | $\vdash$   | Н        | $\dashv$             |
|                        | 144   | _            |              |          |          | $\vdash$                                     |          |  | $\vdash$ |                      |
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